CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Bytarayanapura Sub Division,
BBMP, Bangalore.

05th May 2014

Dear Sir,

Sub: Testing of Wet Mix Macadam.

As requested, tests on physical properties were carried out for the Wet Mix Macadam samples supplied by you, for the work of **'Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.**

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

CIVIL TECH LABS

TEST ON WMM MIX

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency	M/s. K. R. I. D. L.
Date of Testing	05/05/2014
Reference	**MORTH Table 400-11**

IS Sieve Designation (mm)	% By Weight Passing IS Sieve	Actual % By Weight Passing IS Sieve	Remarks
53	100	100	**Satisfies Requirements**
45	95-100	98.3	
22.4	60-80	75.1	
11.2	40-60	55.2	
4.75	25-40	31.6	
2.36	15-30	23.4	
0.6	8-22	18.1	
0.075	0-8	5.9	

Note:

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Lab Incharge
Civil Tech Labs

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T-2654

To,

Assistant Executive Engineer
Byatarayanapura Sub Division,
BBMP Bangalore.

12th April 2014

Dear Sir,

Sub: Testing of Reinforcement.

As requested, tests on physical properties were carried out for the Reinforcement Supplied by you, for the work of **'Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

CIVILTECH LABS

TEST REPORT ON REINFORCEMENT STEEL BARS 12mm

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Name of Work	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency Name	M/s. K. R. I. D. L.
Date of Test	12/04/2014

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

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T-2654

To,

Assistant Executive Engineer
Byatarayanapura Sub Division,
BBMP Bangalore.

15th May 2014

Dear Sir,

Sub: Improvements to roads and drains at Kauvery layout in ward no 06.
Dasarahalli Village limits.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Deputy Quality Manager

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CIVIL TECH LABS

TEST REPORT ON CONCRETE CUBES

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency	M/s. K. R. I. D. L.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 Sq.mm
Technical Reference	IS: 516-1959(Reaffirmed 2004)

Sl.No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/Sq.mm)	Avg Compressive Strength (N/Sq.mm)
1	CC-Work (Drain)	17/04/2014	15/05/2014	28	8.16	470	20.89	21.19
2					8.15	475	21.11	
3					8.17	485	21.56	

Note:

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T-2654

To,

Assistant Executive Engineer
Bytarayanapura Sub Division,
BBMP, Bangalore.

16th May 2014

Dear Sir,

Sub: Testing of Semi Dense Bituminous concrete.

As requested, tests on physical properties were carried out for the Semi Dense Bituminous concrete samples supplied by you, for the work of **'Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.**

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Deputy Quality Manager

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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

CIVIL TECH LABS

Bitumen Content Determination on SDBC Mix-Grade 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Name of the Work	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency Name	M/s. K. R. I. D. L.
Date of Testing	16/05/2014

Specification : As Per MORTH (4th Revision) Table 500-15
Minimum Bitumen Content SDBC/Grade-2 is 5 %

Sl.no	Description	Sample-1	Sample-2
1	Weight of mixture before test, g	1000	1000
2	Weight of mixture after test, g	944	946
3	Weight of bitumen extracted, g	56	54
4	Bitumen content in %	5.60	5.40
5	Average Bitumen content in %	5.50	
Remarks	**Satisfactory**		

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CIVIL TECH LABS

TEST ON SDBC MIX GRADE - 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency	M/s. K. R. I. D. L.
Date of Testing	16/05/2014
Reference	**MORTH Table 500-15. SDBC Grade-2**

	Sample-1		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
13.2	100	100	**Satisfies Requirements**
9.5	90-100	98.8	
4.75	35-51	47.3	
2.36	24-39	34.1	
1.18	15-30	24.2	
0.3	9-19	16.3	
0.075	3-8	6.8	

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TEST ON SDBC MIX GRADE - 2

Name of the Client	AEE, Byatarayanapura Sub Division, BBMP
Project	Improvements to roads and drains at Kauvery layout in ward no 06. Dasarahalli Village limits.
Agency	M/s. K. R. I. D. L.
Date of Testing	16/05/2014
Reference	**MORTH Table 500-15. SDBC Grade-2**

	Sample-2		
IS Sieve Designation (mm)	**% By Weight Passing IS Sieve**	**Actual % By Weight Passing IS Sieve**	**Remarks**
13.2	100	100	**Satisfies Requirements**
9.5	90-100	98.1	
4.75	35-51	45.3	
2.36	24-39	36.1	
1.18	15-30	25.4	
0.3	9-19	15.2	
0.075	3-8	6.3	

Note:

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